(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 3 June 2004 (03.06.2004)

PCT

(10) International Publication Number WO 2004/046108 A1

(51) International Patent Classification7:

C07D 209/54

(21) International Application Number:

PCT/IN2002/000225

(22) International Filing Date:

20 November 2002 (20.11.2002)

(25) Filing Language:

English

(26) Publication Language:

English

(71) Applicant (for all designated States except US): HIKAL LTD. [IN/IN]; 6, Nawab Building, 327, Dr. D N Road, Fort, 400001 Mumbai (IN).

(71) Applicants and

(72) Inventors: KUPPUSWAMY, Nagarajan [IN/IN]; Hikal R & D centre, 32/1, Kalena Agrahara, Bannerghatta Road, 560076 Bangalore (IN). HARIHARAN, Sivaramakrishnan [IN/IN]; Hikal R & D centre, 32/1, Kalena Agrahara, Bannerghatta Road, 560076 Bangalore (IN). MARIADAS, Arulselvan [IN/IN]; Hikal R & D centre, 32/1, Kalena Agrahara, Bannerghatta Road, 560076 Bangalore (IN).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

of inventorship (Rule 4.17(iv)) for US only

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: AN IMPROVED PROCESS FOR THE PREPARATION OF GABALACTAM



(1)

(2)

(57) Abstract:-This invention relates an improved process for the preparation of gabalactam. Gablacatam is chemically known as 2-azaspiro(4,5)decan-3-one. Gabalactam has the structural formula 1 given.

